

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A ~~recording~~ computer-readable medium having a data structure for managing reproduction of at least still images, comprising:
~~a first navigation file~~a first navigation file area including first navigation information, the first navigation information indicating ~~a portion~~an ~~in-point~~an in-point and ~~an~~ out-point of a clip file, which includes video data, to display as a still image and a duration to display the still image; and
a second navigation file including mapping information between a presentation time and the clip file.
2. (Currently Amended) The ~~computer-readable~~recording medium of claim 1, ~~further~~ comprising: wherein the first navigation file is a playlist file, the playlist file including a playitem, the playitem including
~~a playlist area including at least one playlist directory, and a playlist in the playlist directory including the first navigation information.~~
3. (Canceled)
4. (Currently Amended) The ~~computer-readable~~recording medium of claim 3~~2~~, wherein the playitem includes an indicator indicating whether to display a still image.
5. (Canceled)

6. (Currently Amended) The computer-readable recording medium of claim 32, wherein the second navigation file is a clip information file and the playitem includes an indicator indicating a file name of the clip information file associated with the clip file.

7. (Currently Amended) The computer-readable recording medium of claim 6, wherein the playitem includes an indicator indicating an STC id for a portion of the clip file indicated by the clip information file name.

8. (Currently Amended) The computer-readable recording medium of claim 32, wherein the playlist file further includes at least one playlist mark pointing to the still image in the clip file.

9. (Currently Amended) The computer-readable recording medium of claim 21, wherein the first navigation file is a playlist file and the playlist file includes a sub-playitem, and the sub-playitem includes the first navigation information.

10. (Canceled)

11. (Currently Amended) The computer-readable recording medium of claim 1, wherein the first navigation information indicates whether to display the still image for one of a finite and an infinite period of time.

12. (Currently Amended) The computer-readable recording medium of claim 9, wherein the first navigation information indicates a length of time to display the still image when the first navigation information indicates to display the still image for a finite period of time.

13. (Canceled)

14. (Currently Amended) The computer-readable recording medium of claim 431, wherein the video data of the clip file includes at least one of an I picture, B picture and P picture, and wherein the first navigation file indicates to display the at least one of the I picture, B picture and P picture in the clip file as the still image.

15. (Canceled)

16. (Currently Amended) A method of reproducing still images from a recording medium, comprising:

reproducing a first navigation file and a second navigation file, the first navigation file including first navigation information, the first still image from a clip file recorded on a recording medium based on navigation information indicating a portion an in-point and an out-point of a clip file, which includes video data, to display as a still image and a duration to display the still image, the second navigation file including mapping information between a presentation time and the clip file; and

reproducing a still image from the clip file recorded on the recording medium based on the reproduced first and second navigation files.

17. (Canceled)

1918. (Currently Amended) An apparatus for reproducing a still image recorded on a recording medium, comprising:

a driver for driving an optical reproducing device pick up to reproduce data recorded on the recording medium;

a controller configured to control the pick up for controlling the driver to reproduce [[a]] first and second navigation files from the recording medium, the first navigation file including first navigation information, the first still image from a clip file recorded on a recording medium based on navigation information indicating a portion an in-point and an out-point of a clip file, which includes video data, to display as a still image and a duration to display the still image, and the second navigation file including mapping information between a presentation time and the clip file; and

the controller configured to control the pick up to reproduce a still image from the clip file recorded on the recording medium based on the reproduced first and second navigation files.

2019. (Currently Amended) A method of recording a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:

recording a first navigation file including first navigation information, the first navigation information in a navigation area of the recording medium, the navigation information indicating a portion an in-point and an out-point of a clip file, which includes video data, to display as a still image and a duration to display the still image; and
recording a second navigation file including mapping information between a presentation time and the clip file.

2120. (Currently Amended) An apparatus for recording a ~~data structure for managing reproduction of at least multiple reproduction path video data~~ ~~still image~~ on a recording medium, comprising:

~~a driver for driving an optical recording device~~ ~~a pick up configured to record data on the recording medium;~~
~~an encoder for encoding at least multiple reproduction path video data; and~~
~~a controller for controlling the driver~~ ~~configured to control the pick up to record first and second navigation files, the first navigation file including first navigation information in a navigation area of the recording medium, the first navigation information indicating a portion an in-point and an out-point of a clip file, which includes video data, to display as a still image and a duration to display the still image, and the second navigation file including mapping information between a presentation time and the clip file.~~

21. (New) The method of claim 16, wherein the first navigation file is a playlist file, and the playlist file includes a playitem, and the playitem includes the first navigation information.

22. (New) The method of claim 21, wherein the playitem includes an indicator indicating whether to display a still image.

23. (New) The method of claim 16, wherein the first navigation information indicates whether to display the still image for one of a finite and an infinite time period.

24. (New) The method of claim 16, wherein the first navigation information indicates a length of time to display the still image when the first navigation information indicates to display the still image for a finite period of time.

25. (New) The method of claim 16, wherein the clip file having video data includes at least one of an I picture, B picture, and P picture, and wherein the first navigation file indicates to display the at least one of an I picture, B picture, and P picture in the clip file as the still image.

26. (New) The apparatus of claim 18, wherein the first navigation file is a playlist file, the playlist file including a playitem, the playitem including the first navigation information.

27. (New) The apparatus of claim 26, wherein the playitem includes an indicator indicating whether to display a still image.

28. (New) The apparatus of claim 18, wherein the first navigation information indicates whether to display the still image for one of a finite and an infinite time period.

29. (New) The apparatus of claim 18, wherein the first navigation information indicates a length of time to display the still image when the first navigation information indicates to display the still image for a finite period of time.

30. (New) The apparatus of claim 18, wherein the clip file includes at least one of an I picture, B picture, and P picture, and wherein the first navigation file indicates to display the at least one of an I picture, B picture, and P picture in the clip file as the still image.

31. (New) The method of claim 19, wherein the first navigation file is a playlist file, the playlist file including a playitem, the playitem including the first navigation information.

32. (New) The method of claim 31, wherein the playitem includes an indicator indicating whether to display a still image.

33. (New) The method of claim 19, wherein the first navigation information indicates whether to display the still image for one of a finite and an infinite time period.

34. (New) The method of claim 19, wherein the first navigation information indicates a length of time to display the still image when the first navigation information indicates to display the still image for a finite period of time.

35. (New) The method of claim 19, wherein the clip file having video data includes at least one of an I picture, B picture, and P picture, and wherein the first navigation file indicates to display the at least one of an I picture, B picture, and P picture in the clip file as the still image.

36. (New) The apparatus of claim 20, wherein the first navigation file is a playlist file, the playlist file including a playitem, the playitem including the first navigation information.

37. (New) The apparatus of claim 36, wherein the playitem includes an indicator indicating whether to display a still image.

38. (New) The apparatus of claim 20, wherein the first navigation information indicates whether to display the still image for one of a finite and an infinite time period.

39.(New) The apparatus of claim 20, wherein the first navigation information indicates a length of time to display the still image when the first navigation information indicates to display the still image for a finite period of time.

40.(New) The apparatus of claim 20, wherein the clip file includes at least one of an I picture, B picture, and P picture, and wherein the first navigation file indicates to display the at least one of an I picture, B picture, and P picture in the clip file as the still image.